

## 99% Occupied Bandwidth and 26dB Emission Bandwidth

### Test Result and Data

#### UNII-1:

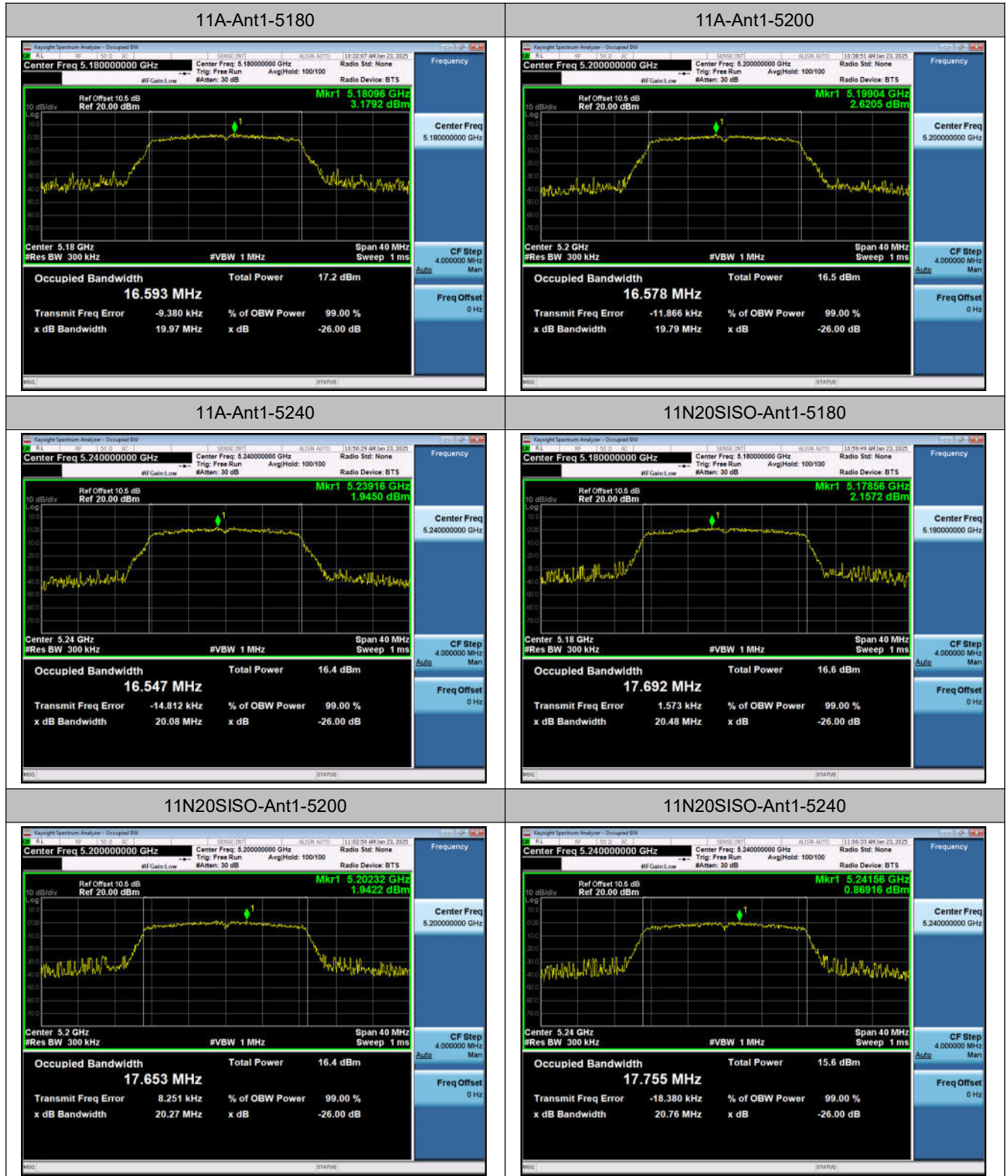
| TestMode   | Antenna | Frequency[MHz] | 26db EBW [MHz] | 99% OBW [MHz] | Verdict |
|------------|---------|----------------|----------------|---------------|---------|
| 11A        | Ant1    | 5180           | 16.593         | 20.120        | Pass    |
| 11A        | Ant1    | 5200           | 16.578         | 20.000        | Pass    |
| 11A        | Ant1    | 5240           | 16.547         | 20.080        | Pass    |
| 11N20SISO  | Ant1    | 5180           | 17.692         | 20.680        | Pass    |
| 11N20SISO  | Ant1    | 5200           | 17.653         | 20.320        | Pass    |
| 11N20SISO  | Ant1    | 5240           | 17.755         | 20.400        | Pass    |
| 11N40SISO  | Ant1    | 5190           | 36.044         | 40.320        | Pass    |
| 11N40SISO  | Ant1    | 5230           | 36.100         | 40.400        | Pass    |
| 11AC20SISO | Ant1    | 5180           | 17.656         | 20.440        | Pass    |
| 11AC20SISO | Ant1    | 5200           | 17.640         | 20.280        | Pass    |
| 11AC20SISO | Ant1    | 5240           | 17.655         | 20.080        | Pass    |
| 11AC40SISO | Ant1    | 5190           | 36.084         | 40.480        | Pass    |
| 11AC40SISO | Ant1    | 5230           | 36.082         | 40.640        | Pass    |
| 11AC80SISO | Ant1    | 5210           | 75.218         | 80.800        | Pass    |

#### UNII-3:

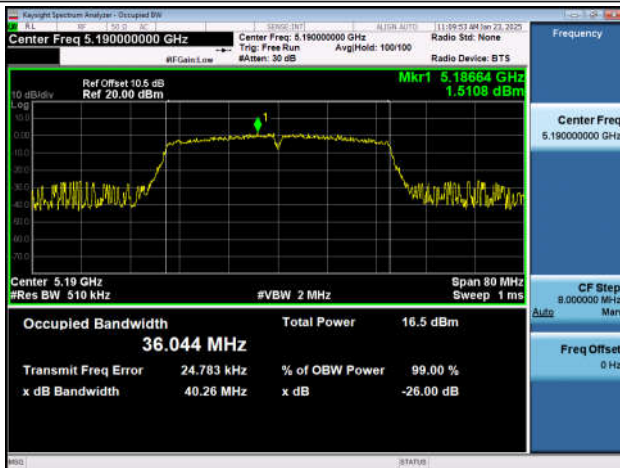
| TestMode   | Antenna | Frequency[MHz] | 26db EBW [MHz] | 99% OBW [MHz] | Verdict |
|------------|---------|----------------|----------------|---------------|---------|
| 11A        | Ant1    | 5745           | 16.943         | 19.760        | Pass    |
| 11A        | Ant1    | 5785           | 16.884         | 19.920        | Pass    |
| 11A        | Ant1    | 5825           | 16.883         | 19.640        | Pass    |
| 11N20SISO  | Ant1    | 5745           | 17.880         | 20.280        | Pass    |
| 11N20SISO  | Ant1    | 5785           | 17.801         | 20.080        | Pass    |
| 11N20SISO  | Ant1    | 5825           | 17.800         | 20.120        | Pass    |
| 11N40SISO  | Ant1    | 5755           | 36.230         | 40.240        | Pass    |
| 11N40SISO  | Ant1    | 5795           | 36.161         | 40.320        | Pass    |
| 11AC20SISO | Ant1    | 5745           | 17.759         | 20.160        | Pass    |
| 11AC20SISO | Ant1    | 5785           | 17.825         | 20.240        | Pass    |
| 11AC20SISO | Ant1    | 5825           | 17.779         | 20.200        | Pass    |
| 11AC40SISO | Ant1    | 5755           | 36.050         | 40.640        | Pass    |
| 11AC40SISO | Ant1    | 5795           | 36.105         | 40.080        | Pass    |
| 11AC80SISO | Ant1    | 5775           | 75.340         | 80.960        | Pass    |

## Test Plots

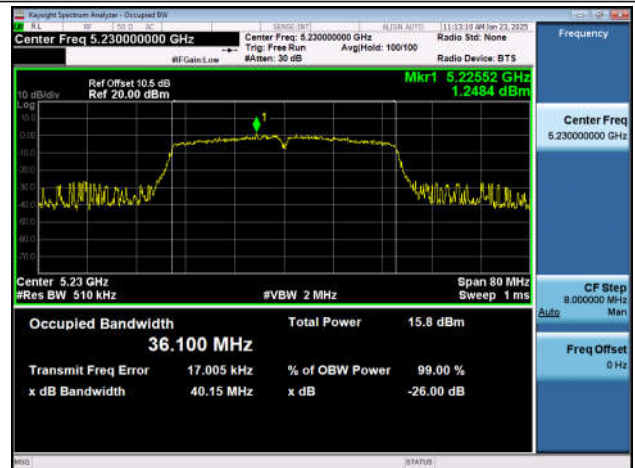
### 99% Occupied Bandwidth:



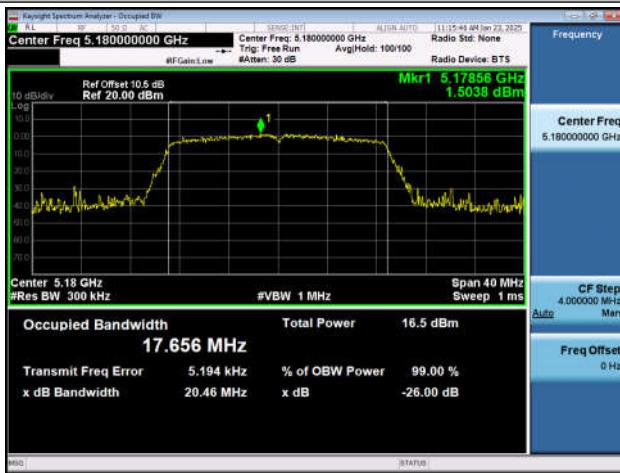
11N40SISO-Ant1-5190



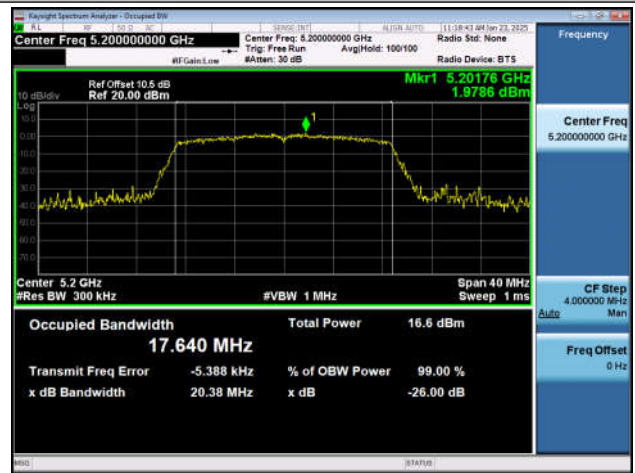
11N40SISO-Ant1-5230



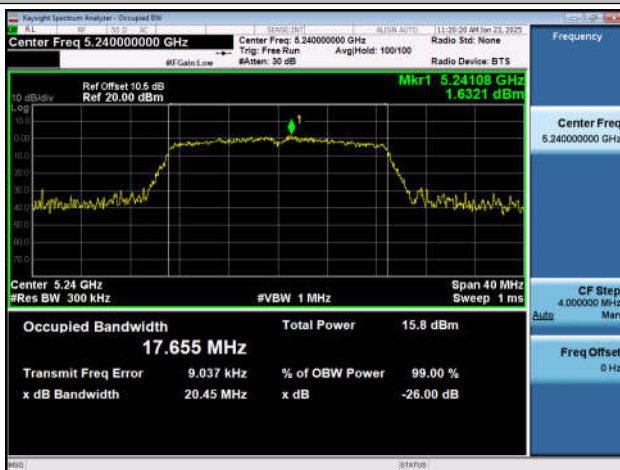
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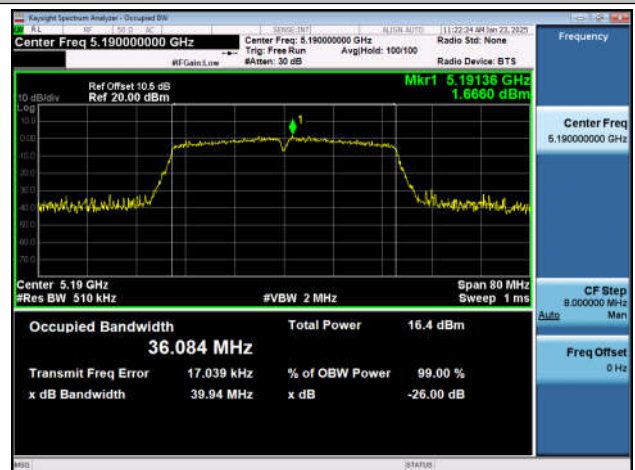
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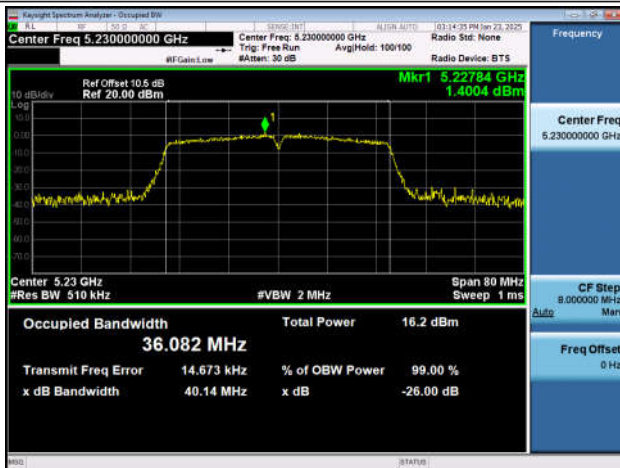
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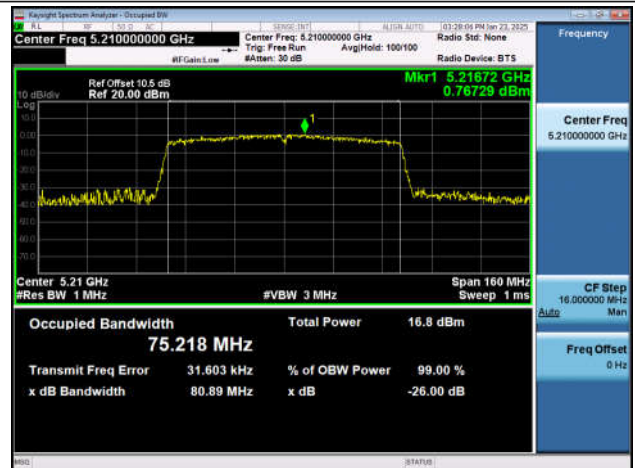
11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC80SISO-Ant1-5210



11A-Ant1-5745



11A-Ant1-5785



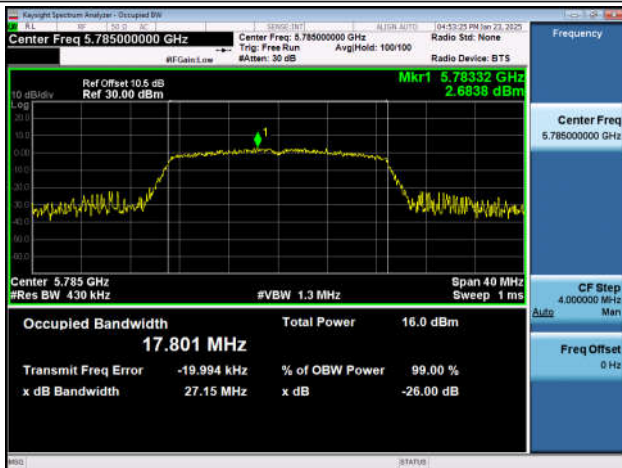
11A-Ant1-5825



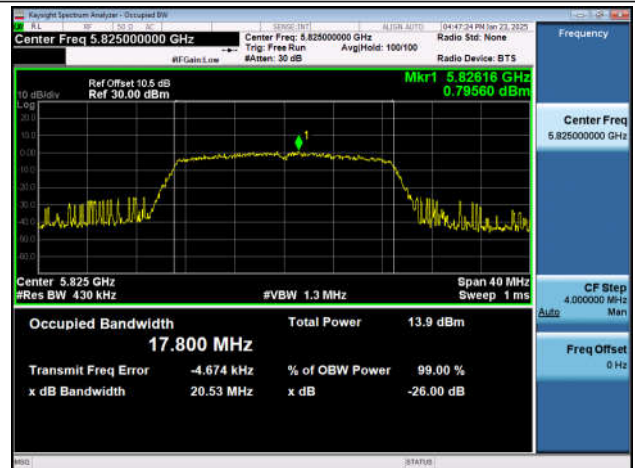
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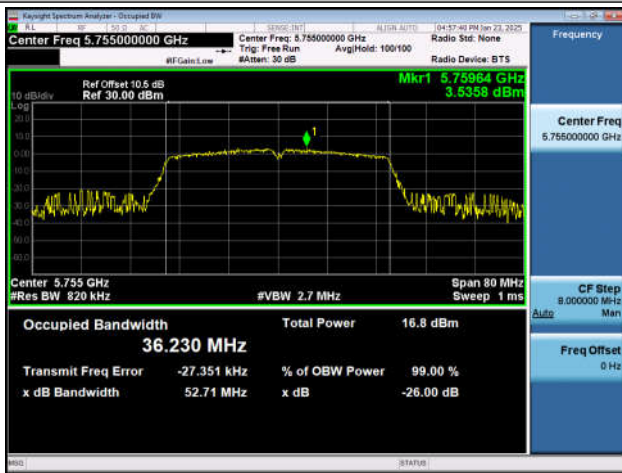
11N20SISO-Ant1-5785



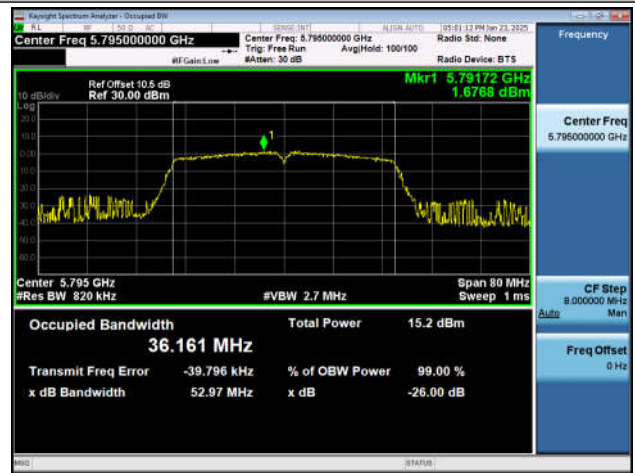
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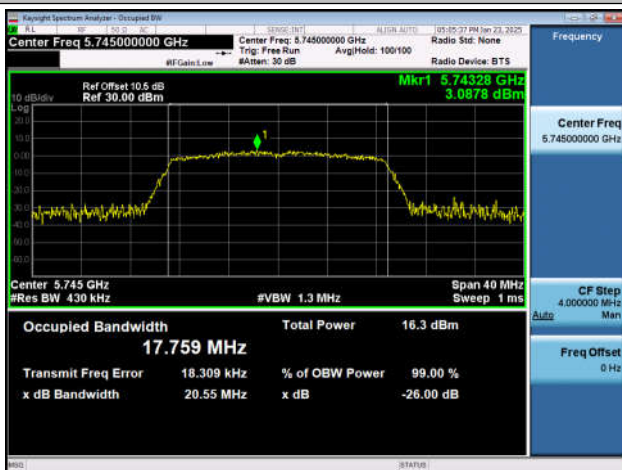
11N40SISO-Ant1-5755



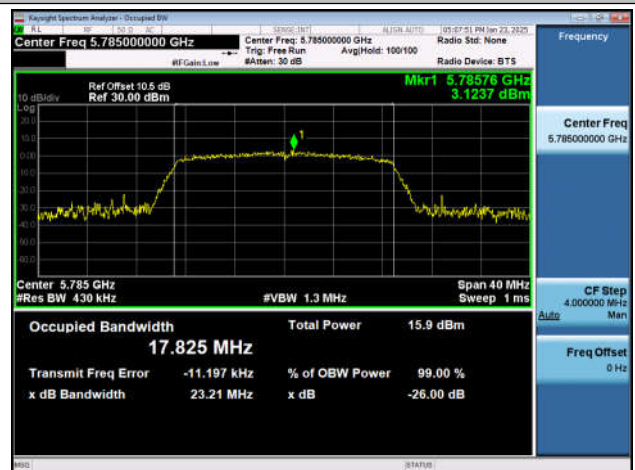
11N40SISO-Ant1-5795



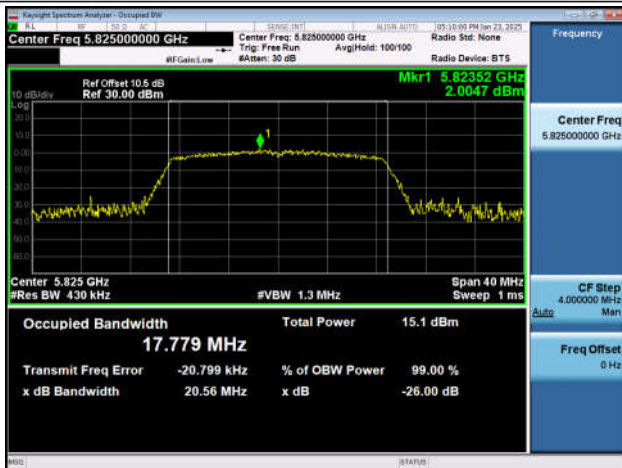
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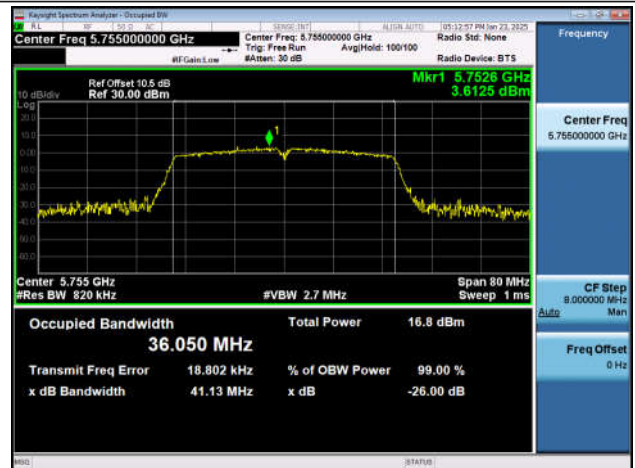
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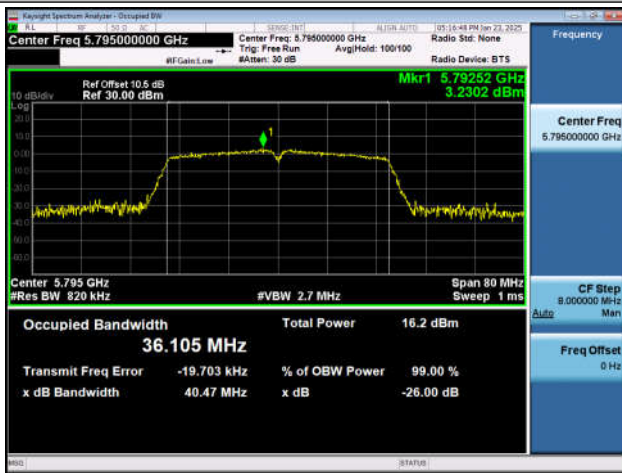
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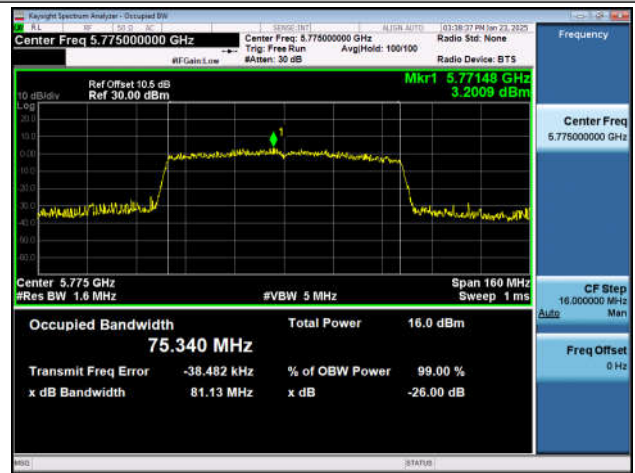
11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795

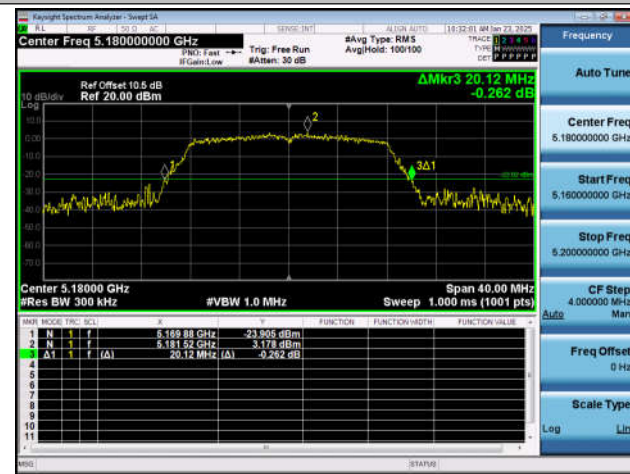


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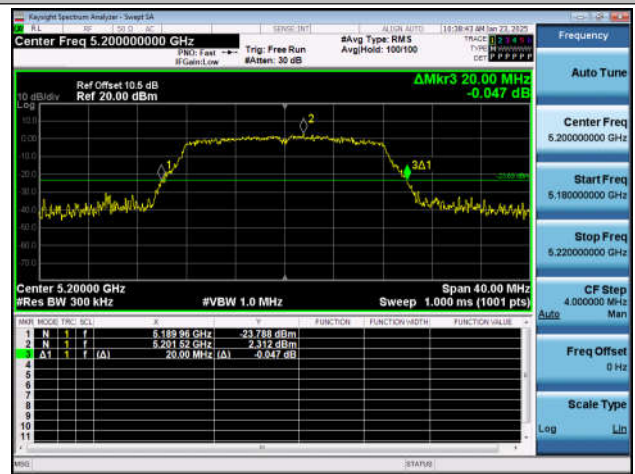


## 26dB Emission Bandwidth:

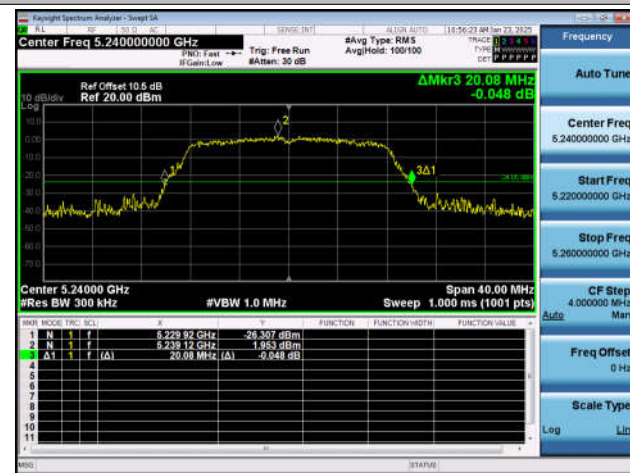
11A-Ant1-5180



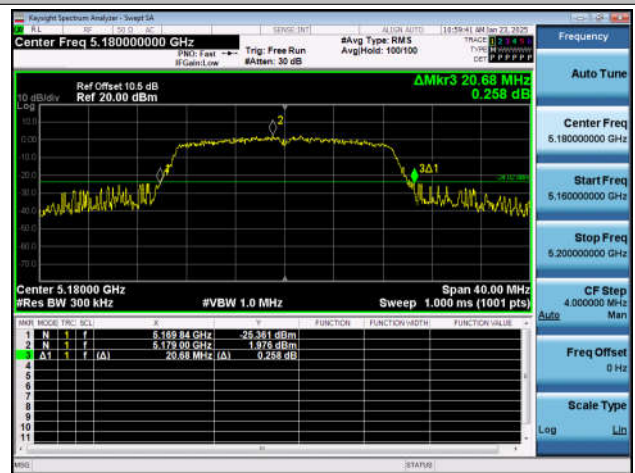
11A-Ant1-5200



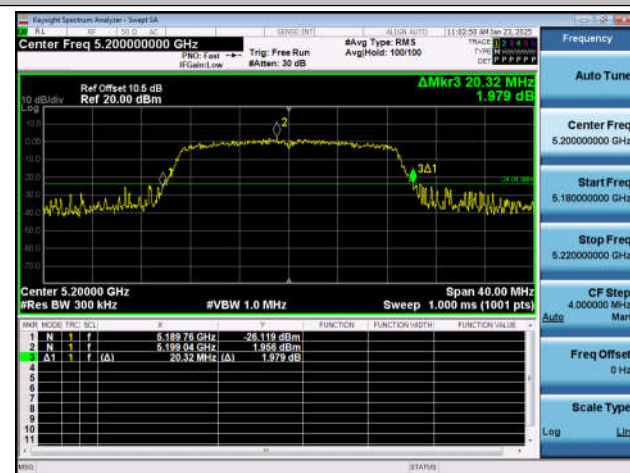
11A-Ant1-5240



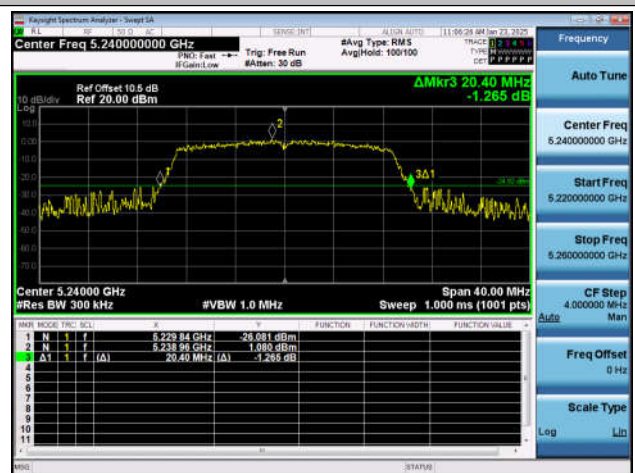
11N20SISO-Ant1-5180



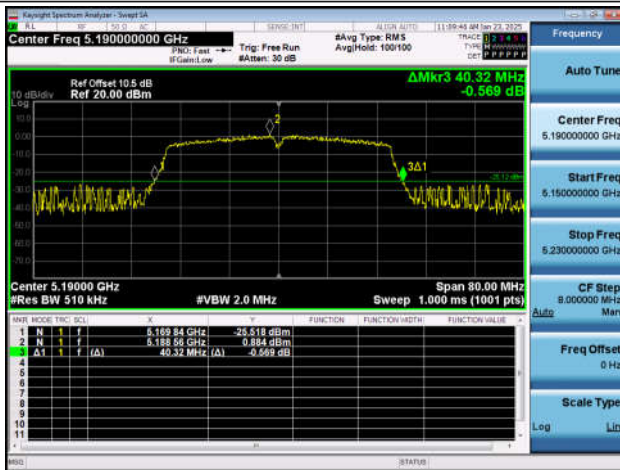
11N20SISO-Ant1-5200



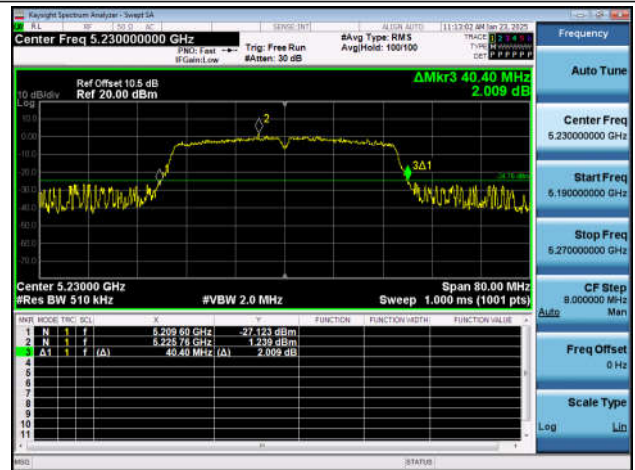
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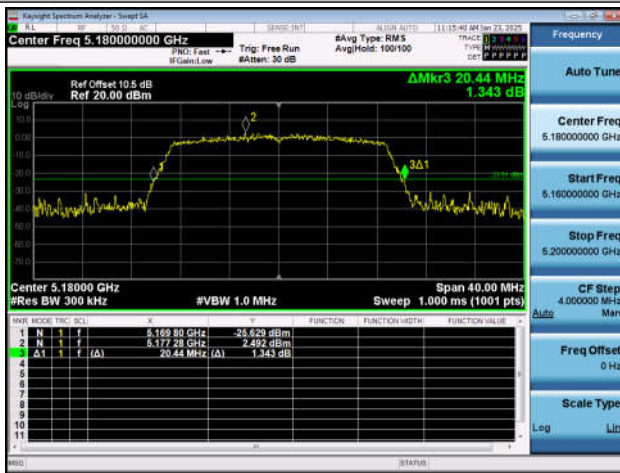
11N40SISO-Ant1-5190



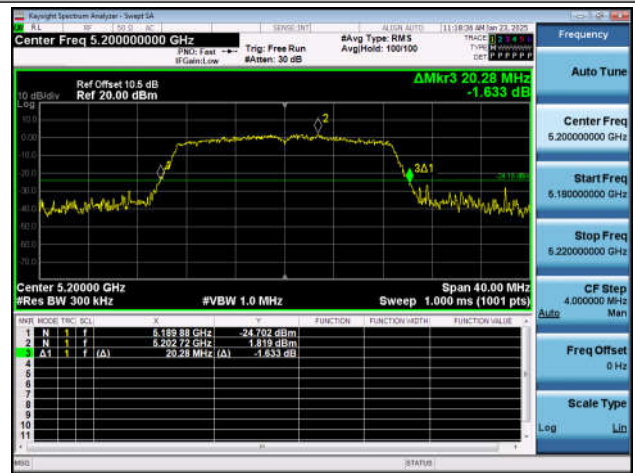
11N40SISO-Ant1-5230



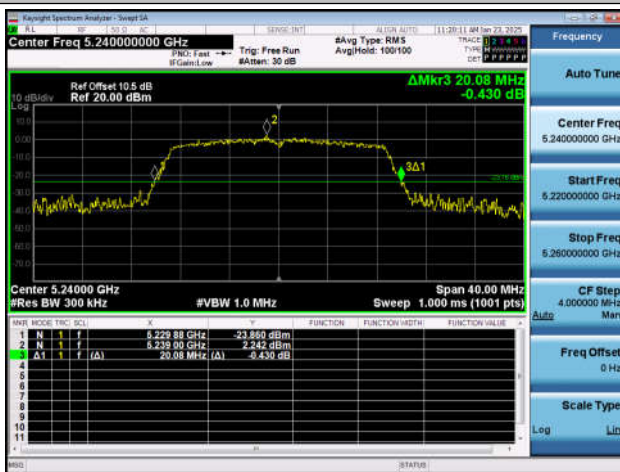
11AC20SISO-Ant1-5180



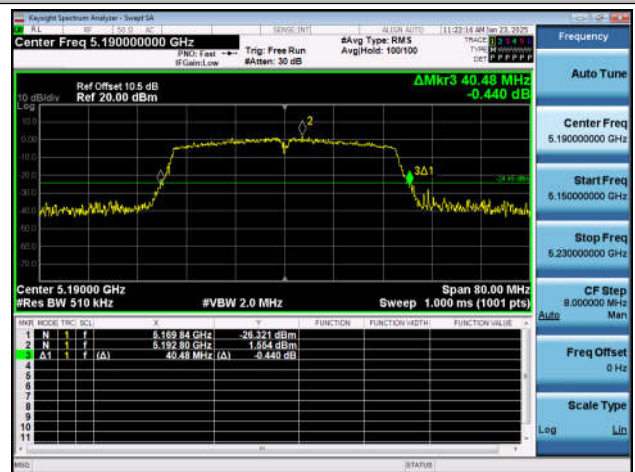
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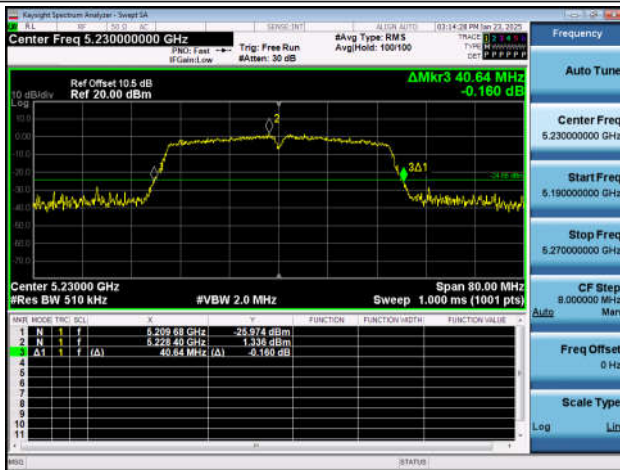
11AC20SISO-Ant1-5240



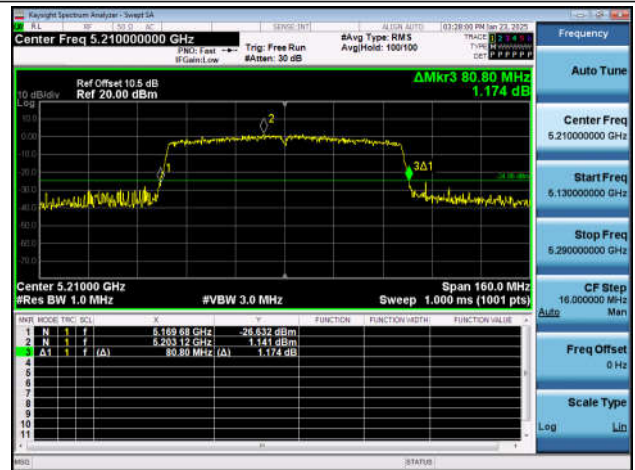
11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC80SISO-Ant1-5210



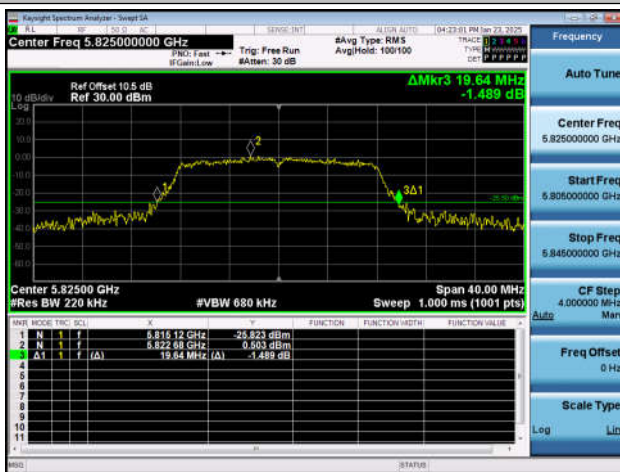
11A-Ant1-5745



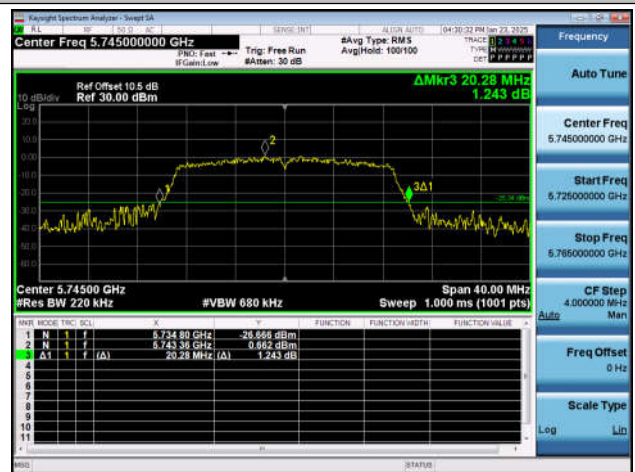
11A-Ant1-5785

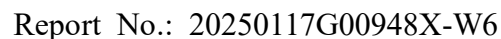


11A-Ant1-5825

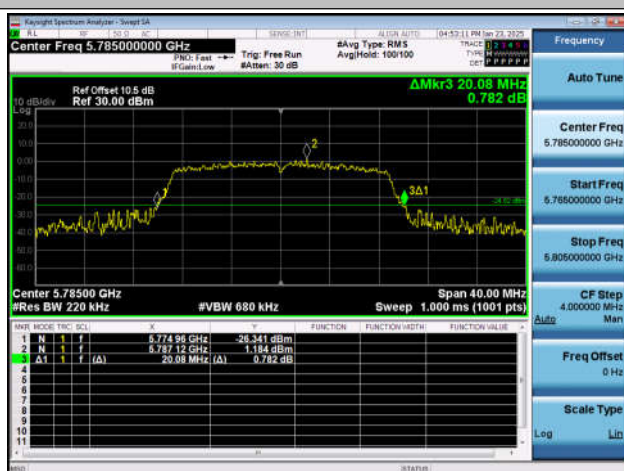


11N20SISO-Ant1-5745

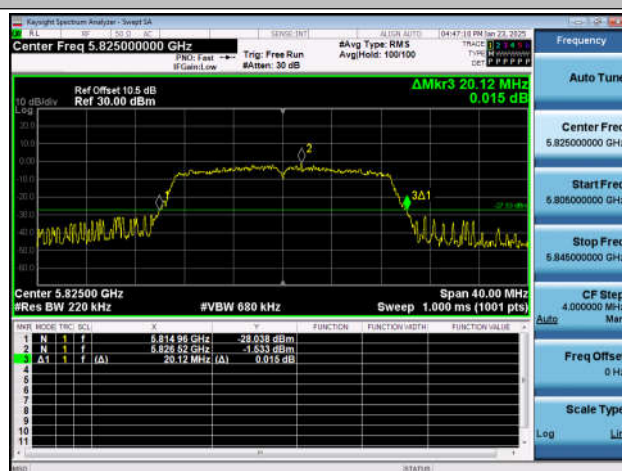




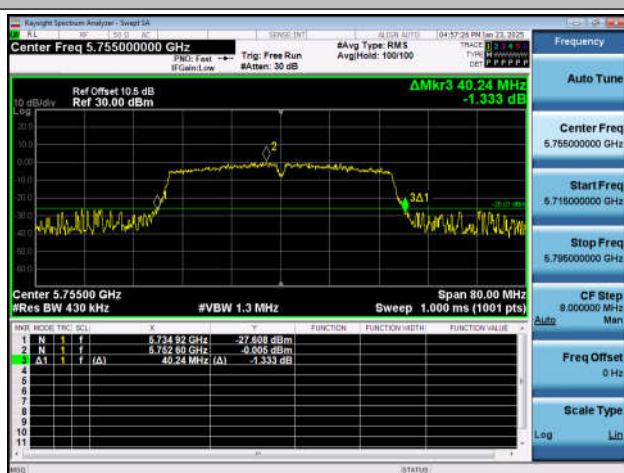
11N20SISO-Ant1-5785



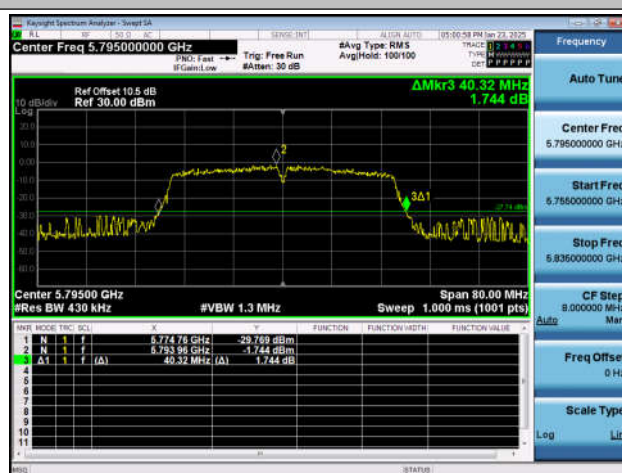
11N20SISO-Ant1-5825



11N40SISO-Ant1-5755



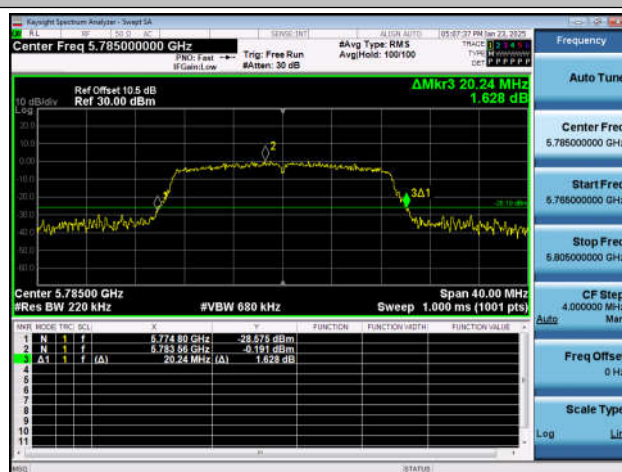
11N40SISO-Ant1-5795



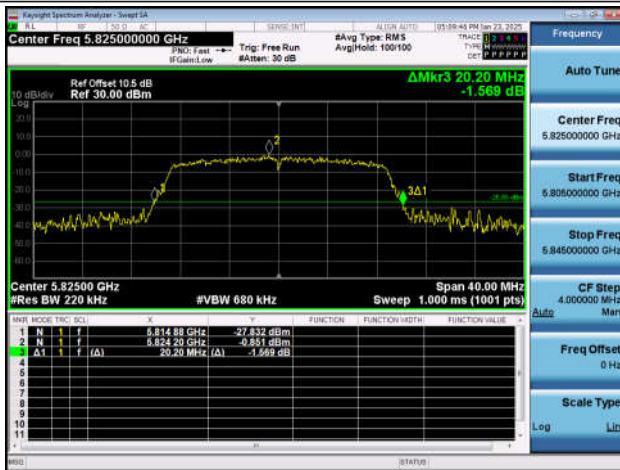
11AC20SISO-Ant1-5745



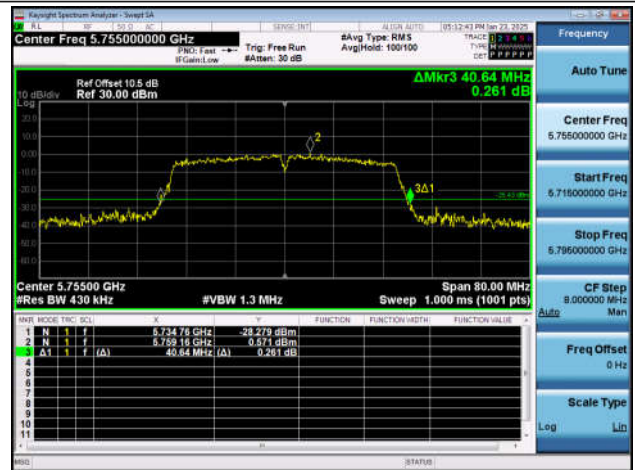
11AC20SISO-Ant1-5785



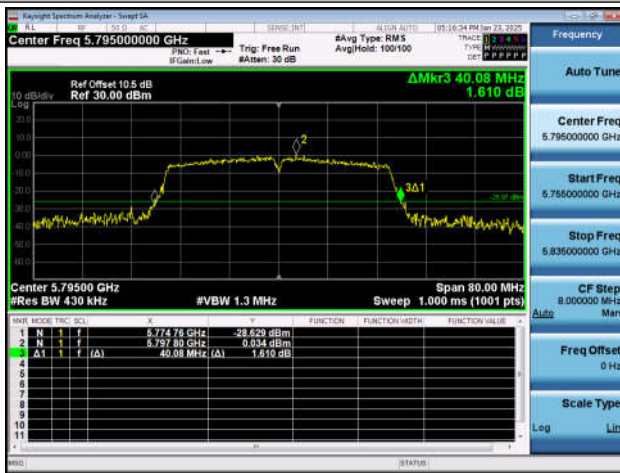
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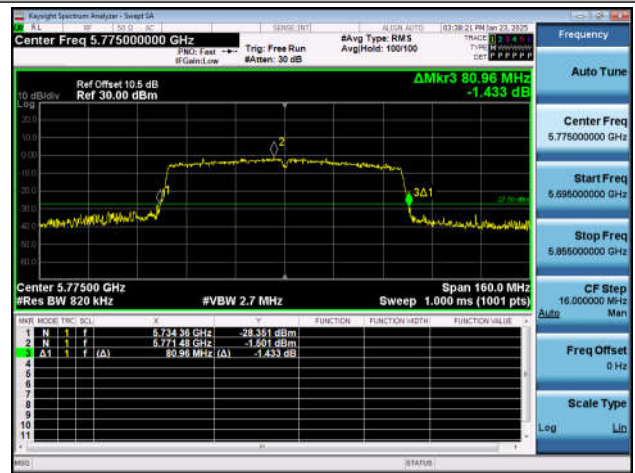
11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795

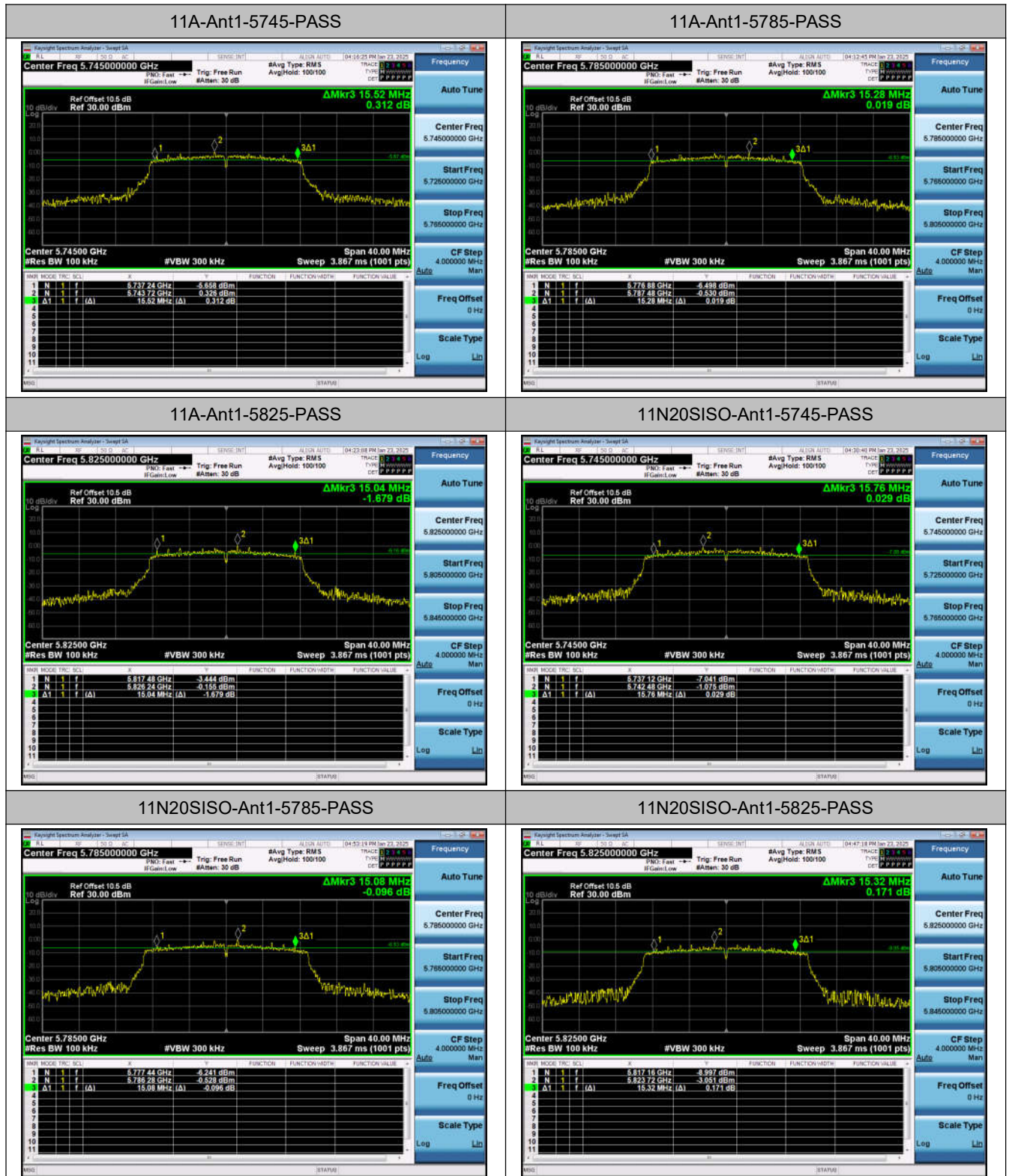
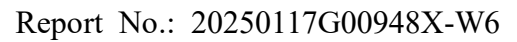


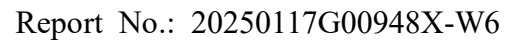
11AC80SISO-Ant1-5775



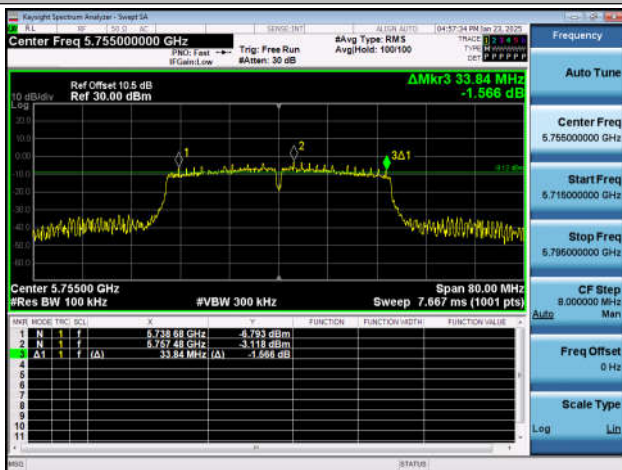
**6dB Bandwidth****Test Result and Data**

| TestMode   | Antenna | Channel Frequency[MHz] | 6dB EBW[MHz] | Limit[MHz] | Verdict |
|------------|---------|------------------------|--------------|------------|---------|
| 11A        | Ant1    | 5745                   | 15.520       | 0.5        | PASS    |
| 11A        | Ant1    | 5785                   | 15.280       | 0.5        | PASS    |
| 11A        | Ant1    | 5825                   | 15.040       | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745                   | 15.760       | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5785                   | 15.080       | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5825                   | 15.320       | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755                   | 33.840       | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5795                   | 35.120       | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745                   | 14.040       | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5785                   | 15.120       | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5825                   | 15.280       | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755                   | 35.040       | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5795                   | 33.760       | 0.5        | PASS    |
| 11AC80SISO | Ant1    | 5775                   | 75.200       | 0.5        | PASS    |

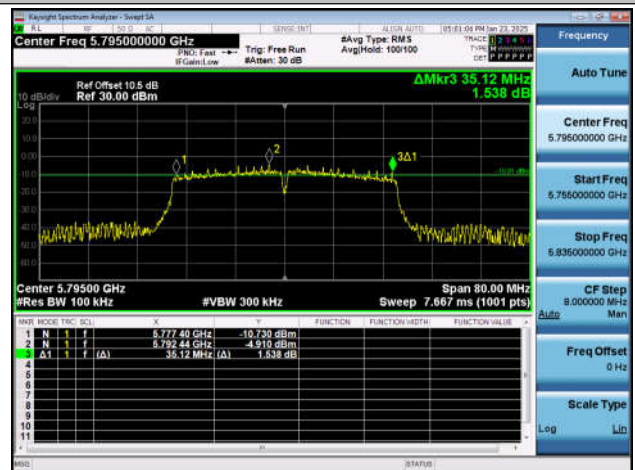




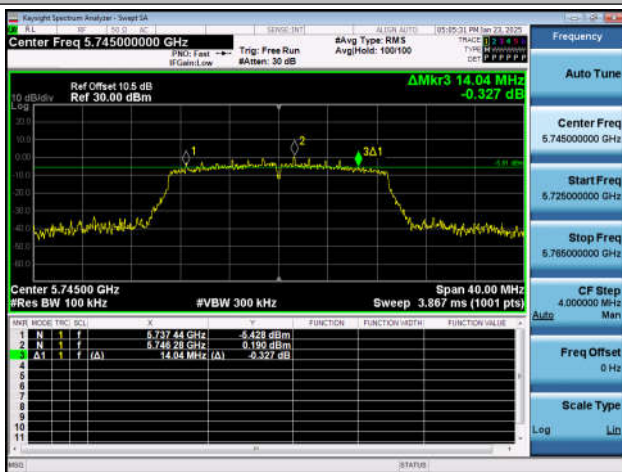
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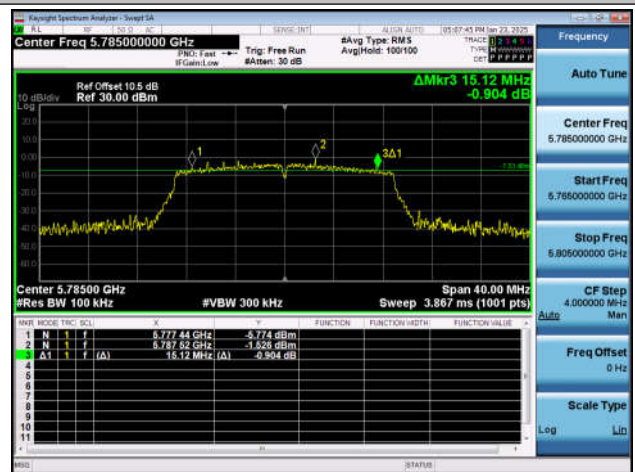
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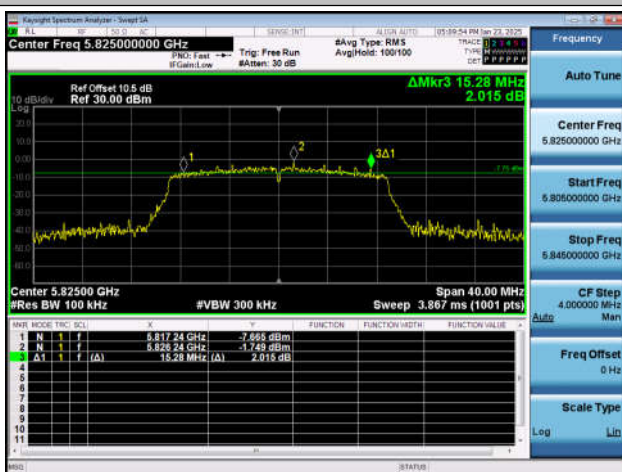
11AC20SISO-Ant1-5745-PASS



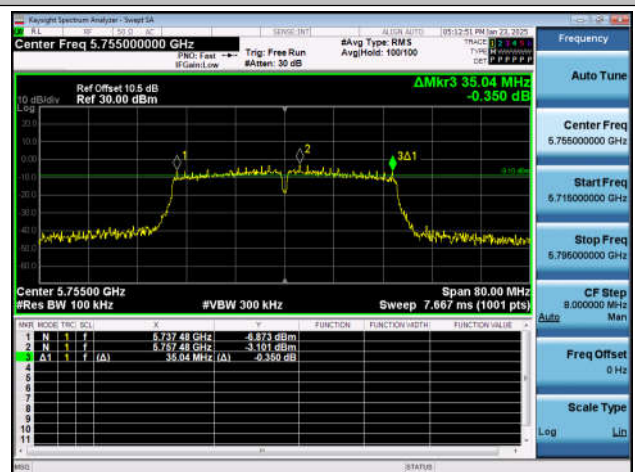
11AC20SISO-Ant1-5785-PASS

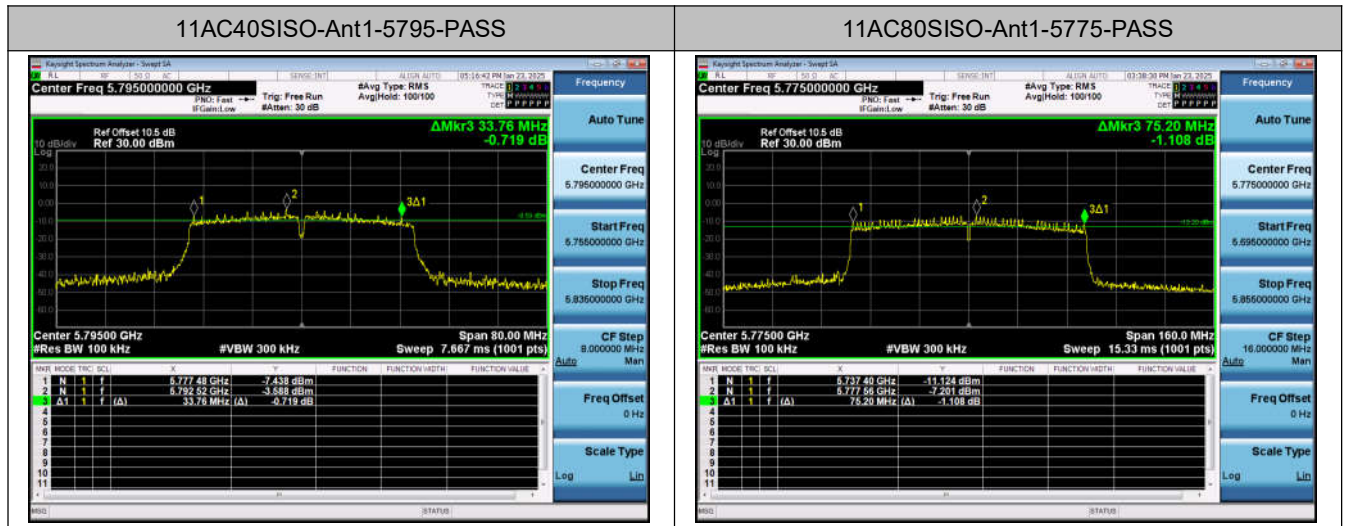


11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS







## Frequency Stability Test Result and Data

### UNII-1:

| TestMode | Antenna | Frequency [MHz] | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|----------|---------|-----------------|---------------|------------------|----------------|-----------------|-------------|---------|
| 11A      | Ant1    | 5180            | LV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | NT               | -20000.00      | -3.861004       | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | -30              | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | -20              | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | -10              | 20000.00       | 3.861004        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | 0                | -20000.00      | -3.861004       | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | 10               | 20000.00       | 3.861004        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | 20               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | 30               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | 40               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5180            | NV            | 50               | 20000.00       | 3.861004        | 20          | PASS    |

### UNII-3:

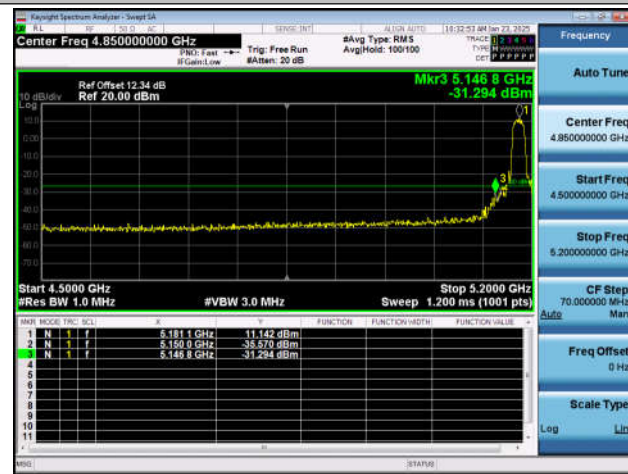
| TestMode | Antenna | Frequency [MHz] | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|----------|---------|-----------------|---------------|------------------|----------------|-----------------|-------------|---------|
| 11A      | Ant1    | 5745            | NV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5745            | LV            | NT               | -20000.00      | -3.481288       | 20          | PASS    |
| 11A      | Ant1    | 5745            | HV            | NT               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | -30              | -20000.00      | -3.481288       | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | -20              | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | -10              | -20000.00      | -3.481288       | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | 0                | -20000.00      | -3.481288       | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | 10               | -20000.00      | -3.481288       | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | 20               | 0.00           | 0.000000        | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | 30               | -40000.00      | -6.962576       | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | 40               | -40000.00      | -6.962576       | 20          | PASS    |
| 11A      | Ant1    | 5745            | NV            | 50               | -20000.00      | -3.481288       | 20          | PASS    |

Note 1: All of the EUT Configure Mode were tested, the worst case is recorded in this report.

# Conducted Band Edges

## UNII-1:

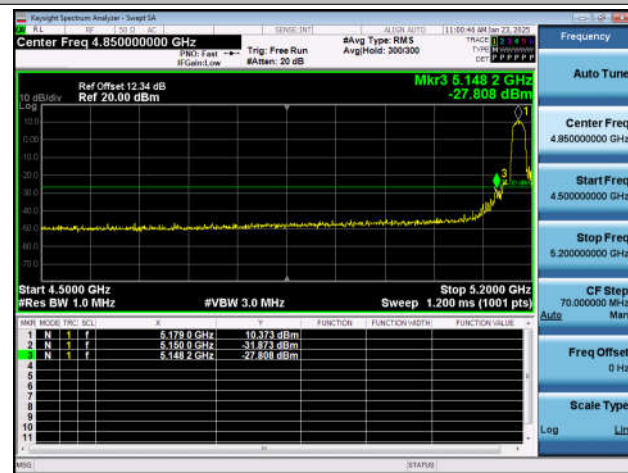
11A-Ant1-5180-PASS



11A-Ant1-5240-PASS



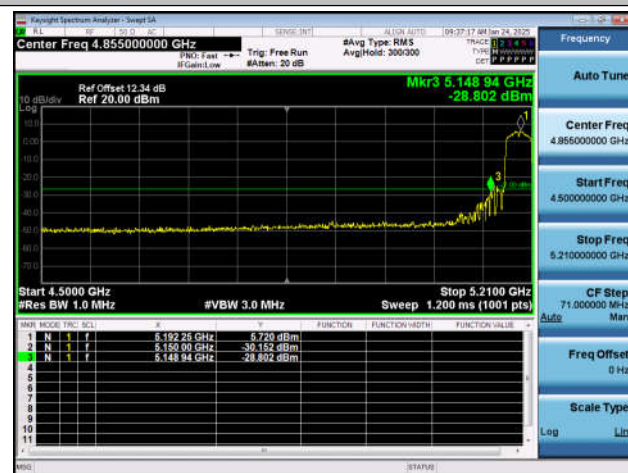
11N20SISO-Ant1-5180-PASS



11N20SISO-Ant1-5240-PASS



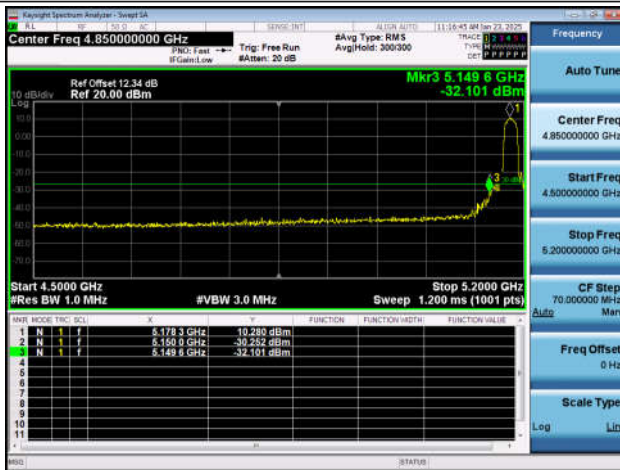
11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



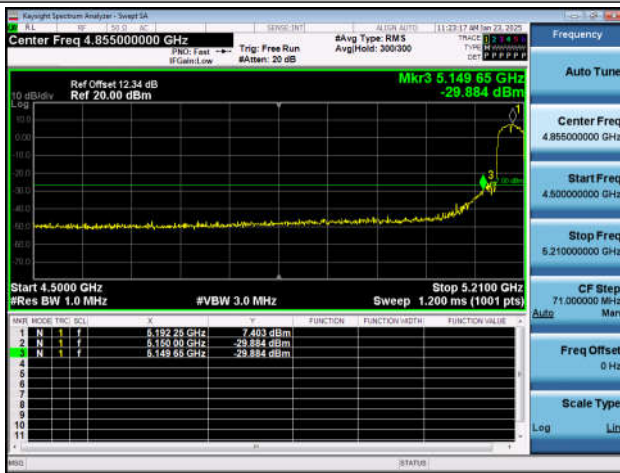
11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5240-PASS



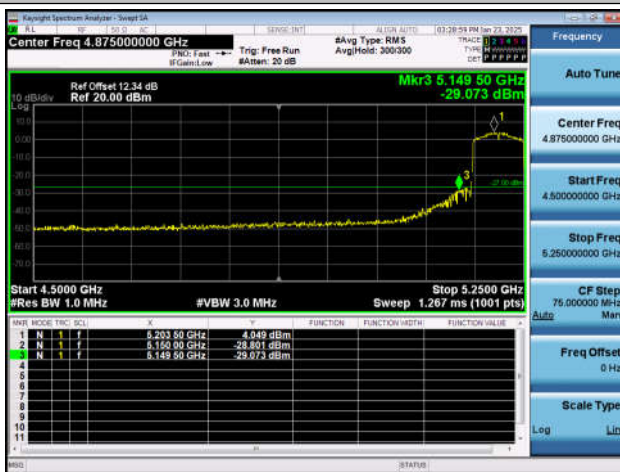
11AC40SISO-Ant1-5190-PASS



11AC40SISO-Ant1-5230-PASS



11AC80SISO-Ant1-5210-PASS



11AC80SISO-Ant1-5210-PASS



### UNIT-3:

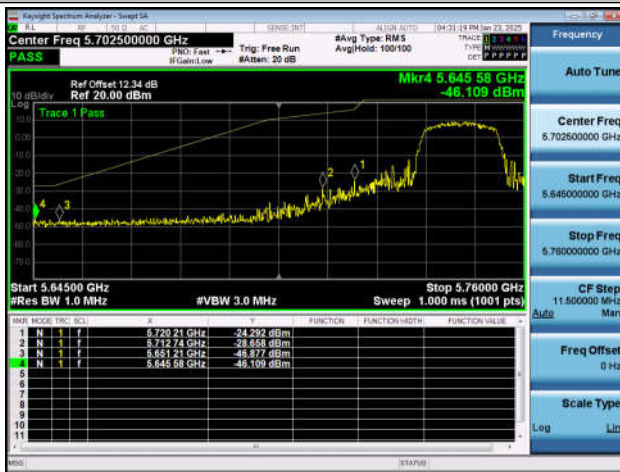
11A-Ant1-5745-PASS



11A-Ant1-5825-PASS



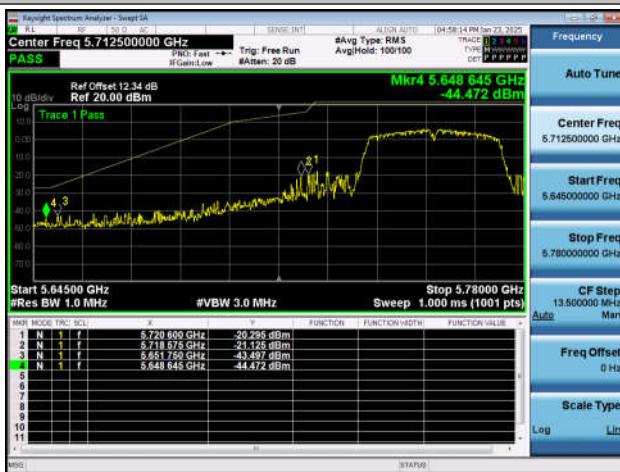
11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5825-PASS



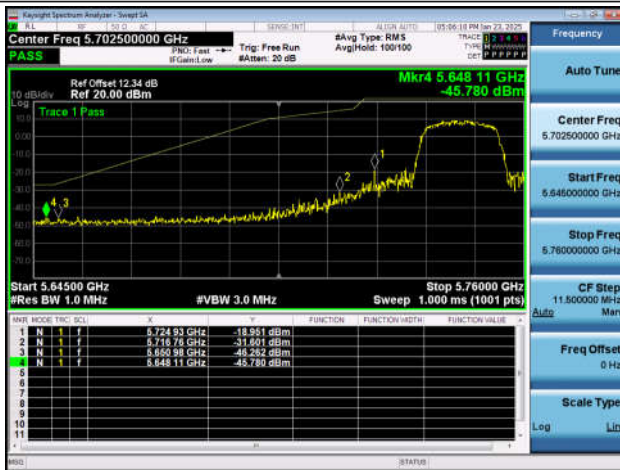
11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



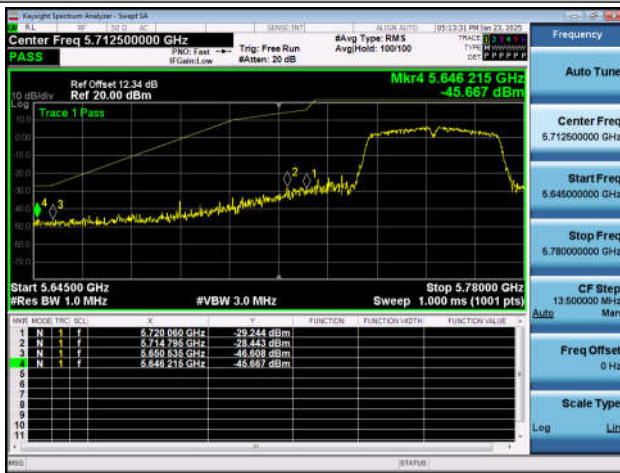
11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS



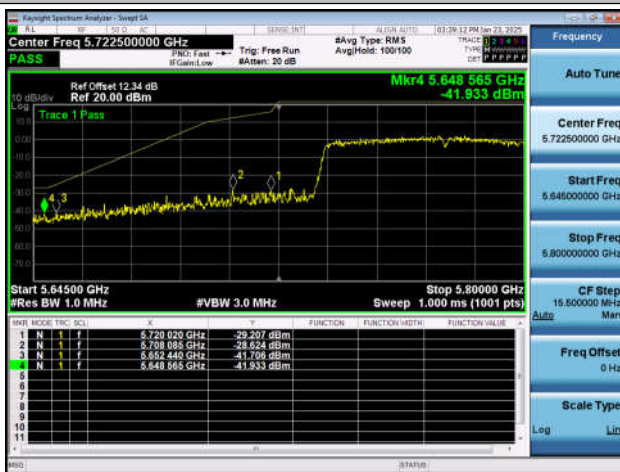
11AC40SISO-Ant1-5755-PASS



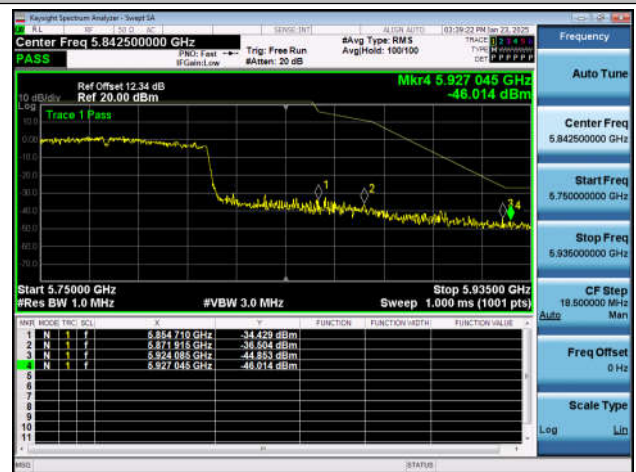
11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS



11AC80SISO-Ant1-5775-PASS



\*\* END OF REPORT \*\*